

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/570,904A
Source: 1FWD
Date Processed by STIC: 12/21/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFW

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/570,904A

DATE: 12/21/2006
TIME: 15:47:30

Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
Output Set: N:\CRF4\12212006\J570904A.raw

3 <110> APPLICANT: TAKESHIMA, Seiji
 4 MATSUMURA, Tadanobu
 5 KISHIMOTO, Takahide
 6 OKA, Masanori
 7 HIRAYAMA, Noriaki
 9 <120> TITLE OF INVENTION: MODIFIED PYRROLOQUINOLINE QUINONE (PQQ) DEPENDENT GLUCOSE
 DEHYDROGENASE
 10 EXCELLENT IN SUBSTRATE SPECIFICITY
 12 <130> FILE REFERENCE: 251134
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/570,904A
 C--> 14 <141> CURRENT FILING DATE: 2006-03-07
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/012508
 15 <151> PRIOR FILING DATE: 2004-08-31
 17 <150> PRIOR APPLICATION NUMBER: JP 2003-315797
 18 <151> PRIOR FILING DATE: 2003-09-08
 20 <150> PRIOR APPLICATION NUMBER: JP 2003-315799
 21 <151> PRIOR FILING DATE: 2003-09-08
 23 <150> PRIOR APPLICATION NUMBER: JP 2004-060283
 24 <151> PRIOR FILING DATE: 2004-03-04
 26 <150> PRIOR APPLICATION NUMBER: JP 2004-060282
 27 <151> PRIOR FILING DATE: 2004-03-04
 29 <150> PRIOR APPLICATION NUMBER: JP 2004-151905
 30 <151> PRIOR FILING DATE: 2004-05-21
 32 <160> NUMBER OF SEQ ID NOS: 94
 34 <170> SOFTWARE: PatentIn version 3.1
 36 <210> SEQ ID NO: 1
 37 <211> LENGTH: 455
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Acinetobacter baumannii
 41 <400> SEQUENCE: 1
 43 Asp Ile Pro Leu Thr Pro Ala Gln Phe Ala Lys Ala Lys Thr Glu Asn
 44 1 5 10 15
 47 Phe Asp Lys Lys Val Ile Leu Ser Asn Leu Asn Lys Pro His Ala Leu
 48 20 25 30
 51 Leu Trp Gly Pro Asp Asn Gln Ile Trp Leu Thr Glu Arg Ala Thr Gly
 52 35 40 45
 55 Lys Ile Leu Arg Val Asn Pro Val Ser Gly Ser Ala Lys Thr Val Phe
 56 50 55 60
 59 Gln Val Pro Glu Ile Val Ser Asp Ala Asp Gly Gln Asn Gly Leu Leu
 60 65 70 75 80
 63 Gly Phe Ala Phe His Pro Asp Phe Lys His Asn Pro Tyr Ile Tyr Ile
 64 85 90 95
 67 Ser Gly Thr Phe Lys Asn Pro Lys Ser Thr Asp Lys Glu Leu Pro Asn
 68 100 105 110

See pp 5-6
Does Not Comply
Corrected Diskette Needed

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Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
 Output Set: N:\CRF4\12212006\J570904A.raw

71 Gln Thr Ile Ile Arg Arg Tyr Thr Tyr Asn Lys Thr Thr Asp Thr Phe
 72 115 120 125
 75 Glu Lys Pro Ile Asp Leu Ile Ala Gly Leu Pro Ser Ser Lys Asp His
 76 130 135 140
 79 Gln Ser Gly Arg Leu Val Ile Gly Pro Asp Gln Lys Ile Tyr Tyr Thr
 80 145 150 155 160
 83 Ile Gly Asp Gln Gly Arg Asn Gln Leu Ala Tyr Leu Phe Leu Pro Asn
 84 165 170 175
 87 Gln Ala Gln His Thr Pro Thr Gln Gln Glu Leu Asn Ser Lys Asp Tyr
 88 180 185 190
 91 His Thr Tyr Met Gly Lys Val Leu Arg Leu Asn Leu Asp Gly Ser Val
 92 195 200 205
 95 Pro Lys Asp Asn Pro Ser Phe Asn Gly Val Val Ser His Ile Tyr Thr
 96 210 215 220
 99 Leu Gly His Arg Asn Pro Gln Gly Leu Ala Phe Ala Pro Asn Gly Lys
 100 225 230 235 240
 103 Leu Leu Gln Ser Glu Gln Gly Pro Asn Ser Asp Asp Glu Ile Asn Leu
 104 245 250 255
 107 Val Leu Lys Gly Gly Asn Tyr Gly Trp Pro Asn Val Ala Gly Tyr Lys
 108 260 265 270
 111 Asp Asp Ser Gly Tyr Ala Tyr Ala Asn Tyr Ser Ala Ala Thr Asn Lys
 112 275 280 285
 115 Ser Gln Ile Lys Asp Leu Ala Gln Asn Gly Ile Lys Val Ala Thr Gly
 116 290 295 300
 119 Val Pro Val Thr Lys Glu Ser Glu Trp Thr Gly Lys Asn Phe Val Pro
 120 305 310 315 320
 123 Pro Leu Lys Thr Leu Tyr Thr Val Gln Asp Thr Tyr Asn Tyr Asn Asp
 124 325 330 335
 127 Pro Thr Cys Gly Glu Met Ala Tyr Ile Cys Trp Pro Thr Val Ala Pro
 128 340 345 350
 131 Ser Ser Ala Tyr Val Tyr Thr Gly Gly Lys Lys Ala Ile Pro Gly Trp
 132 355 360 365
 135 Glu Asn Thr Leu Leu Val Pro Ser Leu Lys Arg Gly Val Ile Phe Arg
 136 370 375 380
 139 Ile Lys Leu Asp Pro Thr Tyr Ser Thr Thr Leu Asp Asp Ala Ile Pro
 140 385 390 395 400
 143 Met Phe Lys Ser Asn Asn Arg Tyr Arg Asp Val Ile Ala Ser Pro Glu
 144 405 410 415
 147 Gly Asn Thr Leu Tyr Val Leu Thr Asp Thr Ala Gly Asn Val Gln Lys
 148 420 425 430
 151 Asp Asp Gly Ser Val Thr His Thr Leu Glu Asn Pro Gly Ser Leu Ile
 152 435 440 445
 155 Lys Phe Thr Tyr Asn Gly Lys
 156 450 455
 159 <210> SEQ ID NO: 2
 160 <211> LENGTH: 1368
 161 <212> TYPE: DNA
 162 <213> ORGANISM: Acinetobacter baumannii
 164 <400> SEQUENCE: 2

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Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
 Output Set: N:\CRF4\12212006\J570904A.raw

165	gatataccctc tgacacctgc tcagttcgca aaagcgaaaa cagaaaattt tgataaaaaaa	60
167	gtgattctgt ccaatttaaa taaaccacat gctttgttat gggggccaga taatcaaatt	120
169	tggtaaccg aacgtgcaac tggcaaaatt ttaagagtaa atcctgtatc tgtagcgcg	180
171	aaaacagtat ttcagggtcc tgaatttgt agttagtgcg atgggcaaaa tggttgtta	240
173	ggtttgctt ttcatcctga cttaaacat aaccctata tctatatttc aggactttt	300
175	aaaaatccaa aatctacaga taaagagtaa cctaattcaga cgattattcg tagatatacc	360
177	tataataaaaa ctacagatac atttgaaaag cctattgatt tgattgcagg tttaccgtca	420
179	tcaaaagatc atcagtctgg tcgtctcggtt attgggtccag accaaaaaat ctactatacg	480
181	attggtgacc aaggtcgtaa tcagttagct tatctgttct taccgaatca ggcacagcat	540
183	actccgactc agcaagagct caatagtaaa gactaccata catatatggg taaagtatta	600
185	cgcttaaattc tggacggcag tgtacctaaa gacaacccaa gcttaacgg cgtatgtgagt	660
187	catactaca cttagggca ccgtaatcca caaggtttag catttgc(cc) aaatggaaag	720
189	cttttacaat ctgagcaagg accaaattct gatgtgaaa ttaacctgtt attaaaaggt	780
191	ggttaactatg gctggccaaa tgttagctgg tataaagatg acagtggta tgctatgca	840
193	aactattcgg cagcaaccaa taaatcacaa attaaagatt tagctaaaaa cggataaaaa	900
195	gtagcaacag gtgttccctgt gactaaagag tctgaatgga ctggtaaaaaa ctttgtgccg	960
197	cctttgaaaaa ctttatatac ggtacaagat acctataact ataatgaccc tacttgtgg	1020
199	gagatggcat atatttgcgt gccaacgggt gcaccgtcat cagcatatgt atatacggga	1080
201	ggcaaaaaag cgattccagg gtgggaaaaat acattattgg tccccatctt aaaacgtggg	1140
203	gtgattttcc gtattaaatt ggacccgaca tatagcacga ctttggatga tgctatccca	1200
205	atgtttaaaaa gcaataaccg ttatcgtgt gtcatcgcta gtccagaagg taatacctta	1260
207	tatgtgctga ctgatacagc gggaaatgta caaaaagatg atggttctgt cactcatact	1320
209	tttagagaatc ccggctctct cattaaattt acatataacg gtaagtaa	1368
212	<210> SEQ ID NO: 3	
213	<211> LENGTH: 33	
214	<212> TYPE: DNA	
215	<213> ORGANISM: Artificial Sequence	
217	<220> FEATURE:	
218	<223> OTHER INFORMATION: Artificial Sequence oligonucleotide	
220	<400> SEQUENCE: 3	
221	agtgtatgcgt atggaaataa tggttgtta ggt	33
224	<210> SEQ ID NO: 4	
225	<211> LENGTH: 33	
226	<212> TYPE: DNA	
227	<213> ORGANISM: Artificial Sequence	
229	<220> FEATURE:	
230	<223> OTHER INFORMATION: Artificial Sequence oligonucleotide	
232	<400> SEQUENCE: 4	
233	agtgtatgcgt atggggagaa tggttgtta ggt	33
236	<210> SEQ ID NO: 5	
237	<211> LENGTH: 33	
238	<212> TYPE: DNA	
239	<213> ORGANISM: Artificial Sequence	
241	<220> FEATURE:	
242	<223> OTHER INFORMATION: Artificial Sequence oligonucleotide	
244	<400> SEQUENCE: 5	
245	agtgtatgcgt atgggacaaa tggttgtta ggt	33
248	<210> SEQ ID NO: 6	
249	<211> LENGTH: 33	

RAW SEQUENCE LISTING

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DATE: 12/21/2006

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Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
Output Set: N:\CRF4\12212006\J570904A.raw

250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
256 <400> SEQUENCE: 6
257 agtgatgctg atggatgaa tggttgtta ggt 33
260 <210> SEQ ID NO: 7
261 <211> LENGTH: 33
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
268 <400> SEQUENCE: 7
269 agtgatgctg atgggggaa tggttgtta ggt 33
272 <210> SEQ ID NO: 8
273 <211> LENGTH: 33
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
280 <400> SEQUENCE: 8
281 agtgatgctg atggaaagaa tggttgtta ggt 33
284 <210> SEQ ID NO: 9
285 <211> LENGTH: 33
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
292 <400> SEQUENCE: 9
293 gaccaaggc gtaatattt agcttatctg ttc 33
296 <210> SEQ ID NO: 10
297 <211> LENGTH: 33
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
304 <400> SEQUENCE: 10
305 gaccaaggc gtaatgtatt agcttatctg ttc 33
308 <210> SEQ ID NO: 11
309 <211> LENGTH: 33
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
316 <400> SEQUENCE: 11
317 gaccaaggc gtaatgcatt agcttatctg ttc 33
320 <210> SEQ ID NO: 12
321 <211> LENGTH: 43
322 <212> TYPE: DNA

RAW SEQUENCE LISTING

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Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
 Output Set: N:\CRF4\12212006\J570904A.raw

323 <213> ORGANISM: Artificial Sequence
 325 <220> FEATURE:
 326 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
 328 <400> SEQUENCE: 12
 329 cgaatcaggc acagcatact ccgactcagc aagagctcaa tag 43
 332 <210> SEQ ID NO: 13
 333 <211> LENGTH: 45
 334 <212> TYPE: DNA
 335 <213> ORGANISM: Artificial Sequence *Needs explanation*
 337 <220> FEATURE:
 338 <221> NAME/KEY: misc_feature
 339 <222> LOCATION: (17)..(25)
 340 <223> OTHER INFORMATION: "n stands for any base"
 343 <400> SEQUENCE: 13
 OK
 344 gtaagaacag ataagcnnnn nnnnnacgac cttggtcacc aatcg 45
 347 <210> SEQ ID NO: 14
 348 <211> LENGTH: 40
 349 <212> TYPE: DNA
 350 <213> ORGANISM: Artificial Sequence
 352 <220> FEATURE:
 353 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
 355 <400> SEQUENCE: 14
 356 gatgctgatg ggcaaaatgg tttgttaggt tttgctttc 40
 359 <210> SEQ ID NO: 15
 360 <211> LENGTH: 38
 361 <212> TYPE: DNA
 362 <213> ORGANISM: Artificial Sequence *Needs explanation*
 365 <220> FEATURE:
 366 <221> NAME/KEY: misc_feature
 367 <222> LOCATION: (7)..(15)
 368 <223> OTHER INFORMATION: "n stands for any base"
 371 <400> SEQUENCE: 15
 W--> 372 actcacnnnn nnnnnaacct gaaatactgt tttcgcgc 38
 375 <210> SEQ ID NO: 16
 376 <211> LENGTH: 50
 377 <212> TYPE: DNA
 378 <213> ORGANISM: Artificial Sequence
 380 <220> FEATURE:
 381 <223> OTHER INFORMATION: Artificial Sequence oligonucleotide
 383 <400> SEQUENCE: 16
 384 ttaccgtca tc当地agatc atcagtctgg tcgtctcggtt attggccag 50
 387 <210> SEQ ID NO: 17
 388 <211> LENGTH: 52
 389 <212> TYPE: DNA
 390 <213> ORGANISM: Artificial Sequence *same error*
 392 <220> FEATURE:
 393 <221> NAME/KEY: misc_feature
 394 <222> LOCATION: (18)..(26)
 395 <223> OTHER INFORMATION: "n stands for any base"

this error appears in subsequent sequences

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/21/2006
PATENT APPLICATION: US/10/570,904A TIME: 15:47:31

FYI
Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
Output Set: N:\CRF4\12212006\J570904A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 17,18,19,20,21,22,23,24,25
Seq#:15; N Pos. 7,8,9,10,11,12,13,14,15
Seq#:17; N Pos. 18,19,20,21,22,23,24,25,26
Seq#:19; N Pos. 16,17,18,19,20,21,22,23,24
Seq#:21; N Pos. 17,18,19
Seq#:30; N Pos. 16
Seq#:33; N Pos. 16
Seq#:34; N Pos. 16
Seq#:49; N Pos. 17
Seq#:58; N Pos. 17
Seq#:60; N Pos. 17
Seq#:61; N Pos. 17
Seq#:62; N Pos. 17
Seq#:63; N Pos. 17
Seq#:69; N Pos. 19,20
Seq#:70; N Pos. 19,20
Seq#:71; N Pos. 19,20
Seq#:73; N Pos. 20,21,22
Seq#:74; N Pos. 20,21,22

VERIFICATION SUMMARY DATE: 12/21/2006
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Input Set : N:\efs\12_21_06\10570904a_efs\SequenceListing.txt
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:622 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
L:994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
L:1070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:1142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0